

# ARIZONA INSTRUMENT LLC

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## Certification of Instrument Calibration

Hickmans Family Farms  
32425 W. Salome Highway  
Arlington, AZ 85322

RMA # 2247804

This is to certify that the Jerome **X631 0002** Gold Film Hydrogen Sulfide Analyzer, Serial Number **2931**, with Sensor Number **13-12-3-Y4DS**, was calibrated with standard units traceable to NIST.

Calibration Status as Received: **Out of Calibration**

		Actual	Calibration Gas	Allowable Range
<b>Incoming:</b>	Range 1	0.327 ppm H <sub>2</sub> S	0.505 ppm H <sub>2</sub> S	+/- 6%
	RSD %	7.15		<5%
<b>Outgoing:</b>	Range 1	0.493 ppm H <sub>2</sub> S	0.496 ppm H <sub>2</sub> S	+/- 5%
	RSD %	1.94		<3%

Calibration Status as Left: **In Calibration**

Estimated Uncertainty of Calibration System: 3.5%

Calibration Date: 14-Aug-2015

Recalibration Date: 13-Aug-2016

Temperature °F: 72.20

% Relative Humidity: 39.50

*Cheryl Hradek*

Approved By: \_\_\_\_\_

Date Approved: 19-Aug-2015

Title: Cheryl Hradek - Quality Control

### Equipment Used:

**Permeation Tube:** 56-46387 NIST#: ISO13265; 072958-798-121714

**Calibration Date:** 24-Apr-2015 **Calibration Date Due:** 24-Apr-2016

**DynaCalibrator:** M-1875 NIST#: 15-2511

**Calibration Date:** 12-Feb-2015 **Calibration Date Due:** 13-Feb-2016

**Digital Multimeter:** 66961028 NIST#: 7000660

**Calibration Date:** 23-Feb-2015 **Calibration Date Due:** 23-Feb-2016

**Flowmeter:** US04H25956 NIST#: 1813; 1817; 1796

**Calibration Date:** 20-May-2015 **Calibration Date Due:** 20-May-2016

Estimated Uncertainty of Calibration: 3.5%

Calibration Procedure Used: 730-0032

Arizona Instrument certifies that the above listed instrument meets or exceeds all published specifications and has been calibrated using standards whose accuracy are traceable to the NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY within the limitations of the Institute's calibration services, or have been derived from accepted values of natural physical constraints, or have been derived by the ratio type of self-calibration techniques.

Disclaimer: Any unauthorized adjustments, removal or breaking of QC seals, or other customer modifications on your Jerome Analyzer WILL VOID this factory calibration. Because any of the above acts could affect the calibration and readings of the instrument, their certification will no longer be valid and, further, Arizona Instrument LLC WILL NOT be responsible for any liabilities created as a result of using the instrument after such adjustments, seal removal, or modifications.

As long as a functional test is within range, according to the procedure outlined in the Operator's Manual, the instrument is performing correctly.

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